

## SEQUENCE LISTING

<110> Keith, Jr., James C.  
McCoy, John M.  
Mi, Sha

<120> Methods and compositions for diagnosing  
and treating preeclampsia and gestational trophoblast  
disorders

<130> GIN-6006B4

<150> 60/216,657

<151> 2000-07-06

<160> 5

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 2930

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (930)...(2546)

<400> 1

```

aatcgggctg cttatcgcc aagctccttc aggagaacaa agaacaggcc attaccctgg 60
agaagactgg caactgattt taccacaag cccaaacctc agggatttca gtatctacta 120
gtctgggtag atactttcac gggttgggca gaggccttcc cctgtaggac agaaaaggcc 180
caagaggtaa taaaggcact agttcatgaa ataattccca gattoggact tccccgaggc 240
ttacagagtg acaatagccc tgctttccag gccacagtaa cccagggagt atcccaggcg 300
ttaggtatac gatatactt acactgcgcc tgaaggccac agtcctcagg gaaggtcgag 360
aaaatgaatg aaacactcaa aggacatcta aaaaagcaaa cccaggaaac ccacctcaca 420
tggcctgctc tggtgcctat agccttaaaa agaattctgca actttcccca aaaagcagga 480
cttagcccat acgaaatgct gtatggaagg cccttcataa ccaatgacct tgtgcttgac 540
ccaagacagc caacttagtt gcagacatca cctccttagc caaatatcaa caagttctta 600
aaacattaca aggaacctat ccctgagaag agggaaaaga actattccac ccttggtgaca 660
tggtattagt caagtccctt ccctctaatt ccccatccct agatacatcc tgggaaggac 720
cctacccagt cattttatct accccaactg cggttaaagt ggctggagtg gagtcttggg 780
tacatcacac ttgagtcaaa tcctggatac tgccaaagga acctgaaaat ccaggagaca 840
acgctagcta ttctgtgaa cctctagagg atttgcgcct gctcttcaaa caacaaccag 900
gaggaaagta actaaaatca taaatcccc atg gcc ctc cct tat cat att ttt 953

```

Met Ala Leu Pro Tyr His Ile Phe

1

5

```

ctc ttt act gtt ctt tta ccc tct ttc act ctc act gca ccc cct cca 1001
Leu Phe Thr Val Leu Leu Pro Ser Phe Thr Leu Thr Ala Pro Pro Pro
10 15 20

```

```

tgc cgc tgt atg acc agt agc tcc cct tac caa gag ttt cta tgg aga 1049
Cys Arg Cys Met Thr Ser Ser Ser Pro Tyr Gln Glu Phe Leu Trp Arg
25 30 35 40

```

```

atg cag cgt ccc gga aat att gat gcc cca tcg tat agg agt ctt tct 1097
Met Gln Arg Pro Gly Asn Ile Asp Ala Pro Ser Tyr Arg Ser Leu Ser
45 50 55

```

T06020" 070901



atg acc atc tac act gaa caa gat tta tac aat tat gtc ata tct aag	1865
Met Thr Ile Tyr Thr Glu Gln Asp Leu Tyr Asn Tyr Val Ile Ser Lys	
300 305 310	
ccc cgc aac aaa aga gta ccc att ctt cct ttt gtt ata gga gca gga	1913
Pro Arg Asn Lys Arg Val Pro Ile Leu Pro Phe Val Ile Gly Ala Gly	
315 320 325	
gtg cta ggt gca cta ggt act ggc att ggc ggt atc aca acc tct act	1961
Val Leu Gly Ala Leu Gly Thr Gly Ile Gly Gly Ile Thr Thr Ser Thr	
330 335 340	
cag ttc tac tac aaa cta tct caa gaa cta aat ggg gac atg gaa cgg	2009
Gln Phe Tyr Tyr Lys Leu Ser Gln Glu Leu Asn Gly Asp Met Glu Arg	
345 350 355 360	
gtc gcc gac tcc ctg gtc acc ttg caa gat caa ctt aac tcc cta gca	2057
Val Ala Asp Ser Leu Val Thr Leu Gln Asp Gln Leu Asn Ser Leu Ala	
365 370 375	
gca gta gtc ctt caa aat cga aga gct tta gac ttg cta acc gct gaa	2105
Ala Val Val Leu Gln Asn Arg Arg Ala Leu Asp Leu Leu Thr Ala Glu	
380 385 390	
aga ggg gga acc tgt tta ttt tta ggg gaa gaa tgc tgt tat tat gtt	2153
Arg Gly Gly Thr Cys Leu Phe Leu Gly Glu Glu Cys Cys Tyr Tyr Val	
395 400 405	
aat caa tcc gga atc gtc act gag aaa gtt aaa gaa att cga gat cga	2201
Asn Gln Ser Gly Ile Val Thr Glu Lys Val Lys Glu Ile Arg Asp Arg	
410 415 420	
ata caa cgt aga gca gag gag ctt cga aac act gga ccc tgg ggc ctc	2249
Ile Gln Arg Arg Ala Glu Glu Leu Arg Asn Thr Gly Pro Trp Gly Leu	
425 430 435 440	
ctc agc caa tgg atg ccc tgg att ctc ccc ttc tta gga cct cta gca	2297
Leu Ser Gln Trp Met Pro Trp Ile Leu Pro Phe Leu Gly Pro Leu Ala	
445 450 455	
gct ata ata ttg cta ctc ctc ttt gga ccc tgt atc ttt aac ctc ctt	2345
Ala Ile Ile Leu Leu Leu Leu Phe Gly Pro Cys Ile Phe Asn Leu Leu	
460 465 470	
gtt aac ttt gtc tct tcc aga atc gaa gct gta aaa cta caa atg gag	2393
Val Asn Phe Val Ser Ser Arg Ile Glu Ala Val Lys Leu Gln Met Glu	
475 480 485	
ccc aag atg cag tcc aag act aag atc tac cgc aga ccc ctg gac cgg	2441
Pro Lys Met Gln Ser Lys Thr Lys Ile Tyr Arg Arg Pro Leu Asp Arg	
490 495 500	
cct gct agc cca cga tct gat gtt aat gac atc aaa ggc acc cct cct	2489
Pro Ala Ser Pro Arg Ser Asp Val Asn Asp Ile Lys Gly Thr Pro Pro	
505 510 515 520	
gag gaa atc tca gct gca caa cct cta cta cgc ccc aat tca gca gga	2537
Glu Glu Ile Ser Ala Ala Gln Pro Leu Leu Arg Pro Asn Ser Ala Gly	
525 530 535	

T06020"SE2060

agc agt tag agcggtcgtc ggccaacctc cccaacagca cttagggttt  
Ser Ser \*

2586

cctgttgaga	tgggggactg	agagacagga	ctagctggat	ttcctaggct	gactaagaat	2646
ccctaagcct	agctgggaag	gtgaccacat	ccacctttaa	acacggggct	tgcaacttag	2706
ctcacacctg	accaatcaga	gagctcacta	aaatgctaata	taggcaaaaa	caggaggtaa	2766
agaaaatagcc	aatcatctat	tgcttgagag	cacagcagga	gggacaatga	tcgggatata	2826
aaccctaagtc	ttcgagccgg	caacgggcaac	ccctttggg	tcctctccct	ttgtatggga	2886
gctctgtttt	catgctattt	cactctatta	aatcttgcaa	ctgc		2930

```
<210> 2
<211> 538
<212> PRT
<213> Homo sapiens
```

<400>	2														
Met	Ala	Leu	Pro	Tyr	His	Ile	Phe	Leu	Phe	Thr	Val	Leu	Leu	Pro	Ser
1				5					10					15	
Phe	Thr	Leu	Thr	Ala	Pro	Pro	Pro	Cys	Arg	Cys	Met	Thr	Ser	Ser	Ser
			20					25					30		
Pro	Tyr	Gln	Glu	Phe	Leu	Trp	Arg	Met	Gln	Arg	Pro	Gly	Asn	Ile	Asp
		35				40						45			
Ala	Pro	Ser	Tyr	Arg	Ser	Leu	Ser	Lys	Gly	Thr	Pro	Thr	Phe	Thr	Ala
	50					55					60				
His	Thr	His	Met	Pro	Arg	Asn	Cys	Tyr	His	Ser	Ala	Thr	Leu	Cys	Met
65				70						75					80
His	Ala	Asn	Thr	His	Tyr	Trp	Thr	Gly	Lys	Met	Ile	Asn	Pro	Ser	Cys
				85					90					95	
Pro	Gly	Gly	Leu	Gly	Val	Thr	Val	Cys	Trp	Thr	Tyr	Phe	Thr	Gln	Thr
			100					105					110		
Gly	Met	Ser	Asp	Gly	Gly	Gly	Val	Gln	Asp	Gln	Ala	Arg	Glu	Lys	His
		115					120				125				
Val	Lys	Glu	Val	Ile	Ser	Gln	Leu	Thr	Arg	Val	His	Gly	Thr	Ser	Ser
	130					135				140					
Pro	Tyr	Lys	Gly	Leu	Asp	Leu	Ser	Lys	Leu	His	Glu	Thr	Leu	Arg	Thr
145				150						155					160
His	Thr	Arg	Leu	Val	Ser	Leu	Phe	Asn	Thr	Thr	Leu	Thr	Gly	Leu	His
				165					170					175	
Glu	Val	Ser	Ala	Gln	Asn	Pro	Thr	Asn	Cys	Trp	Ile	Cys	Leu	Pro	Leu
			180					185					190		
Asn	Phe	Arg	Pro	Tyr	Val	Ser	Ile	Pro	Val	Pro	Glu	Gln	Trp	Asn	Asn
		195					200				205				
Phe	Ser	Thr	Glu	Ile	Asn	Thr	Thr	Ser	Val	Leu	Val	Gly	Pro	Leu	Val
	210					215					220				
Ser	Asn	Leu	Glu	Ile	Thr	His	Thr	Ser	Asn	Leu	Thr	Cys	Val	Lys	Phe
225				230						235					240
Ser	Asn	Thr	Thr	Tyr	Thr	Thr	Asn	Ser	Gln	Cys	Ile	Arg	Trp	Val	Thr
				245					250					255	
Pro	Pro	Thr	Gln	Ile	Val	Cys	Leu	Pro	Ser	Gly	Ile	Phe	Phe	Val	Cys
			260					265					270		
Gly	Thr	Ser	Ala	Tyr	Arg	Cys	Leu	Asn	Gly	Ser	Ser	Glu	Ser	Met	Cys
		275					280					285			
Phe	Leu	Ser	Phe	Leu	Val	Pro	Pro	Met	Thr	Ile	Tyr	Thr	Glu	Gln	Asp
	290					295					300				
Leu	Tyr	Asn	Tyr	Val	Ile	Ser	Lys	Pro	Arg	Asn	Lys	Arg	Val	Pro	Ile
305				310						315					320
Leu	Pro	Phe	Val	Ile	Gly	Ala	Gly	Val	Leu	Gly	Ala	Leu	Gly	Thr	Gly
				325					330					335	
Ile	Gly	Gly	Ile	Thr	Thr	Ser	Thr	Gln	Phe	Tyr	Tyr	Lys	Leu	Ser	Gln
			340					345					35		

